

## ABOUT

### Repacking Service and Replacement Parts

Repacking service for Low-volume PUF Tubes includes cleaning the glass, packing it with new sorbent/PUF, and inserting it into cleaned storage bottle. Contact SKC for an RA number and decontamination form.

#### Repack 226-92

New PUF packed into cleaned original glass and inserted into cleaned storage bottle

Cat. No. ....P22692R

#### Replacement PUFs for 226-92

Uncleaned, 76-mm length, pk/20

Cat. No. ....P22692

#### Repack 226-143

New PUF/sorbent packed into cleaned original glass and inserted into cleaned storage bottle

Cat. No. ....P226143R

#### Repack 226-126

New PUF/filter packed into cleaned original glass and inserted into cleaned storage bottle

Cat. No. ....P226126R

#### Repack 226-124

New PUF/sorbent packed into cleaned original glass and inserted into cleaned storage bottle

Cat. No. ....P226124BV

### 24-hour Sampling



Use Low-volume PUF Tubes with the Leland Legacy Sample Pump at 5 L/min see pages 22-23

## Low-volume PUF Tubes For Sampling Semi-volatiles from 1 to 5 L/min

- For measurements up to 24 hours
- Custom PUF/sorbent combinations available
- Precleaned and ready to use
- Meet specifications of EPA TO-10A, EPA IP-8, ASTM D4861, and ASTM D4947
- Can be repacked and recertified



|              |                                      |
|--------------|--------------------------------------|
| Sample Time: | 4 to 24 hours                        |
| Sample Rate: | 1 to 5 L/min                         |
| Sample Pump: | XR Series, AirChek, or Leland Legacy |

SKC Low-volume PUF Tubes contain polyurethane foam (PUF) or PUF/sorbent combinations that meet the specifications of EPA and ASTM indoor and ambient air sampling methods for pesticides in homes, public buildings, and offices. The methods specify the use of a sample pump, operating at a flow rate of 1 to 5 L/min, to draw air through the PUF tube to sample concentrations as low as 0.001 mg/m<sup>3</sup>. Collection times vary from 4 to 24 hours. See pages 8-19 and 22-23 for sample pump information.

Precleaned and ready to use, SKC Low-volume PUF Tubes are convenient and can be repacked and recertified to save money and recycle glass.

### Low-volume PUF Tubes

| Methods   | Compounds   | Sorbent (Amount)                    | Cat. No. |
|---|---|-------------------------------------|----------|
| EPA TO-10A, IP-8  | Organochlorine and organophosphorus pesticides, carbamate, pyrethrin, triazine, and urea pesticides | PUF (76 mm)                         |          |
| ASTM D4861  | Organochlorine and organophosphorus pesticides and PCBs   |                                     |          |
| ASTM D4947  | Chlordane and heptachlor residues   |                                     | 226-92   |
| ASTM D4861  | Organochlorine and organophosphorus pesticides and PCBs   | PUF/Tenax/PUF (30 mm/750 mg/30 mm)  |          |
| EPA TO-10A  | Organochlorine and organophosphorus pesticides, carbamate, pyrethrin, triazine, and urea pesticides |                                     | 226-124  |
|   |   | PUF/XAD-2/PUF (30 mm/1500 mg/30 mm) | 226-143  |
|   |   | PUF/glass fiber filter (76 mm)      | 226-126  |
| <b>Accessories</b>  |   |                                     |          |
| Tube Holder for Low-volume PUF Tubes, see p. 46 for details |   |                                     | 224-29P  |
| Multi-purpose Calibration Jar, see p. 88 for details        |   |                                     | 225-111  |

Note: PUF tubes used in the Statements of Work for Superfund sites must be used and analyzed within 14 days of being cleaned.

## High-volume PUF Tubes

### For Sampling Semi-volatiles from 220 to 280 L/min

SKC High-volume PUF and PUF/sorbent combination tubes are designed for use with high-volume samplers to meet EPA and ASTM method specifications for ambient air sampling of organochlorine pesticides, polychlorinated biphenyls (PCBs), and polycyclic aromatic hydrocarbons (PAHs).

#### ■ Combination PUF/XAD-2 Sorbent Tube

- Meets EPA Method 600/8-80-038 specifications
- Contains cleaned XAD-2 sorbent between two PUFs
- XAD-2 sorbent improves volatile component extraction during analysis

#### ■ PUF-only Sorbent Tube

- Meets ASTM D6209 and EPA IP-7, TO-4A, TO-9A, and TO-13A
- Packed with pre-cleaned PUF for low background



SKC High-volume PUF Tubes are cleaned and ready to use.

## Custom PUF Tubes

You provide the specifications, SKC will provide the tubes. Custom PUF, PUF/sorbent combination, and PUF/filter combination tubes are available.

Contact SKC with your specifications — [www.skcinc.com/custom/9560.pdf](http://www.skcinc.com/custom/9560.pdf).

### High-volume PUF Tubes

| Methods                        | Compounds   | Sorbent (Amount)                     | Cat. No. |
|--------------------------------|---|--------------------------------------|----------|
| EPA 600/8-80-038               | Organochlorine pesticides, PCBs                           | PUF/XAD-2/PUF<br>(50 mm/10 gm/25 mm) | 226-129  |
| Non-agency <sup>‡</sup>        | Nonpolar organic compounds                                |                                      |          |
| EPA IP-7, TO-4A, TO-9A, TO-13A | Organochlorine pesticides, dioxins and furans, PCBs, PAHs | PUF<br>(75 mm)                       | 226-131  |
| ASTM D6209                     | Polycyclic aromatic hydrocarbons                          |                                      |          |

*Note:* PUF tubes used in the Statements of Work for Superfund sites must be used and analyzed within 14 days of being cleaned.

<sup>‡</sup> See Non-agency Method 38 on page 197.

### Repacking Service and Replacement Parts

Repacking service for High-volume PUF Tubes includes cleaning the glass, packing it with new sorbent and/or PUF, and inserting it into a cleaned storage bottle. **Contact SKC for an RA number and decontamination form.**

| Description  | Cat. No.                 | Qty. |
|--|--------------------------|------|
| Repack Cat. No. 226-129 includes new PUF/sorbent packed into cleaned original glass and inserted into cleaned storage bottle | P226129R                 | ea   |
| Replacement PUFs for Cat. No. 226-129, uncleaned   | 25-mm length<br>P226129A | 10   |
|  | 50-mm length<br>P226129B | 10   |
| Repack Cat. No. 226-131 includes new PUF packed into cleaned original glass and inserted into cleaned storage bottle         | P226131R                 | ea   |
| Replacement PUFs for Cat. No. 226-131, 75-mm length  | Uncleaned<br>P226131     | 10   |
|  | Cleaned<br>P226131C      | 10   |
| Glass Cartridge with support screens for either Cat. No. 226-129 or 226-131  | P226129C                 | ea   |

### Quartz Filters for High-volume PUF Sampling

Tissuquartz filters can be used with the High-volume PUF Tubes listed above for ASTM D6209 and EPA 600/8-80-038, IP-7, TO-4A, TO-9A, and TO-13A at temperatures up to 1093 C (2000 F).

| Description   | Cat. No. | Qty. |
|---|----------|------|
| Tissuquartz, high-purity microfibers, 432- $\mu$ m thickness, 102-mm diameter | 225-1821 | 25   |